



*Dr. Shweta Thakur*  
*Assistant Professor and Head*  
*Department of Zoology*  
*St. Bede's College, Shimla*



**Dr. Shweta Thakur**

**Assistant Professor and Head of the Department**

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### **EDUCATIONAL QUALIFICATIONS: M.Sc., M.Phil., PhD.**

<b>Sr. No.</b>	<b>Degree</b>	<b>Subject</b>	<b>College/University</b>	<b>Year of Passing</b>
1	B.Sc.	Medical	St. Bede's College, Shimla	2005
2	M.Sc.	Zoology	Himachal Pradesh University	2008
3	M.Phil	Zoology	Himachal Pradesh University	2009
4	Ph.D	Zoology	Himachal Pradesh University	2017
6	Specialisation	Entomology		

### **TOTAL TEACHING EXPERIENCE: 13 Years**

Teaching Experience at St. Bede's College: 13 Years

### **SUBJECTS TAUGHT**

Animal Diversity, Biochemistry, Apiculture, Sericulture, Reproductive Biology, Applied Zoology, Evolutionary Biology, Genetics, Medical Diagnostics, Aquarium Fish Keeping, Research Methodology.

### **OTHER RESPONSIBILITIES**

**Incharge:** IQAC Co-ordinator

**Member:** Institutional Social Responsibility Cell



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**MOU:** Convener  
**RUSA:** Member  
**Academic Council:** Member  
**Research and Development Cell:** Member

## ACHIEVEMENTS

### ❖ PUBLICATIONS

#### ➤ Authored Books

- **Thakur, S., Mattu, VK. and Kumar, P.** 2019. Biosystematic studies on some noctuid moths through RAPD-PCR technique. Lambert Academic Publishing, Mauritius. ISBN: 978-620-0-8314-2
- **Thakur, S. and Sharma, M.** 2019. *Text book: Genetics and Evolutionary Biology*. 1<sup>st</sup> edition R.D. Publications, Jalandhar. ISBN: 9789384594832
- **Wadhwan, D. and Thakur, S.** 2019. *Text book: Reproductive Biology*. 2<sup>nd</sup> edition Truemann Publications, Jalandhar. ISBN: 8187223839
- **Sharma, M. and Thakur, S.** 2019. *Text book: Medical Diagnostics*. 1<sup>st</sup> edition Truemann Publications. ISBN: 8187723073
- **Thakur, S., Mattu, VK. and Kumar, P.** 2019. Biosystematic studies on some noctuid moths through RAPD-PCR technique. Lambert Academic Publishing, Mauritius.
- **Sharma, M. and Thakur, S.** 2018. *Text book: Animal Diversity*. 1<sup>st</sup> edition R.D. Publications, Jalandhar. ISBN: 9789384594749
- **Sharma, M. and Thakur, S.** 2018. *Text book: Comparative Anatomy and Developmental Biology of Vertebrates*. 1<sup>st</sup> edition R.D. Publications, Jalandhar. ISBN: 9789384594756.

#### ➤ Paper Publications:-

- 1 **Thakur, S. and Brari J,** 2023. The role of noctuid moths as umbrella taxa in insect conservation: A Review. International Book Chapter (Interdisciplinary Studies in Humanities and Science Vol 1(II) ISBN: 9789359965338



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- 2 Brari J, **Thakur, S.** 2021. Bioactivity of ionic liquid against two major Coleopteran stored grain insect pests. *International Journal of Pharmaceutical & Biological Archives*;12(4): 163-169. **UGC CARE LIST**
- 3 Upmanyu, M and **Thakur, S.** 2018. Evaluation of awareness campaign on the conservation of honeybees through statistical analysis in district Shimla (Himachal Pradesh, India). *International Journal of Entomology Research* 3(5):17-19 (**RJIF 5.24**)
- 4 **Thakur, S.**, Mattu, VK. and Kumar, P. 2016. Biodiversity indices of noctuid moths in various Conifer Forests of Himachal Pradesh. **Journal of Biodiversity and Environmental Sciences** 8 (2): 98-103. (**Impact factor: 1.35**)
- 5 Kumar, P. Kumar, M., **Thakur, S.** Rajneesh, Mattu, V.K. and Seth, A 2015. Phylogenetic Analysis of Noctuid moths (Lepidoptera: Noctuoidea) by RAPD-PCR Technique. **Asian J. Adv. Basic Sci.** 4(1): 61-67. (**Impact factor: 0.3**)
- 6 Kumar, P. **Thakur, S.** Mattu, VK. and Dutta, R. 2014. Standardization and Optimization of RAPD assay for genetic analysis of Noctuid species. *Journal of Entomology and Zoology Studies* 2 (3): 111-117 (**Impact factor: 0.55**).
- 7 Kumar, P. and **Thakur, S.** 2014. Study on Faunal diversity of Butterflies in Triveni Mahadev (Himachal Pradesh). *Journal of Entomology and Zoology Studies* 2 (5): 58-62. (**Impact factor: 0.55**)
- 8 Kumar, P. **Thakur, S.**, and Mattu, VK. 2014. Biosystematic studies on Moths of subfamily Catocalinae (Lepidoptera: Noctuidae). *Journal of Insect Science* 27(1): 109-127. (**Impact factor: 0.87**)
- 9 **Thakur, S.**, Kumar, P. and Mattu, VK. 2013. Taxonomic Update and Relative Abundance Studies on some Cutworms (Family: Noctuidae) in Conifer Forests of Himachal Pradesh with brief account of its Wing Venation and Genitalia. *Biological Forum- An International Journal*, 5(2): 71-80 (**Impact factor: 0.3**).



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- 10 Kumar, P. and **Thakur, S.** 2013. Species Diversity and Abundance of Butterfly Fauna in Surgani-Sudla, Himachal Pradesh. *Environ. We Int. J. Sci. Tech.* 8: 71-80 (**Impact factor: 3.14**).
- 11 Kumar, P. Mattu, VK. and **Thakur, S.** 2013. Distribution of Noctuids species (Lepidoptera, Noctuidae) in Conifer Forests of Himachal Pradesh, India. *Environ. We Int. J. Sci. Tech.* 8: 97-103 (**Impact factor: 3.14**).
- 12 Kumar, P. and **Thakur, S.** 2009. Taxonomic studies of genus *Opogona* Zeller (Lepidoptera: Tineidae) with brief account of wing venation and genitalia. *Journal of Insect Science*, 22 (4): 424-430 (**Impact factor: 0.87**)

#### ❖ Paper Presentations:-

1. **Thakur, S.** 2020. COVID-19 training certificate for NCC cadets.
2. **Thakur, S.** Mattu, VK. and Kumar, P. 2016. Quantitative estimates of Noctuid Moth Fauna in Conifer forest of Himachal Pradesh. *National Conference on Current issues and challenges in Contemporary world, organised by RGGC Shimla, PGC Seema, GDC Nerwa and Science and Management Society Himachal Pradesh*
3. **Thakur, S.** Mattu, VK. and Kumar, P.; 2014. Diversity and species composition of subfamily Noctuinae in Himachal Pradesh. *International Conference on Entomology*, Punjabi University, Patiala (Punjab).
4. **Thakur, S.** Mattu, VK. and Kumar, P. 2013. Distribution of species (Lepidoptera: Noctuidae) in Conifer forest of Himachal Pradesh. *1st Annual National Conference*, Shoolini University, Solan.
5. **Thakur, S.** Mattu, VK. and Kumar, P.; 2012. Taxonomic studies on some Noctuid moths from conifer forests of Himachal Pradesh. *International Conference on Entomology*, Punjabi University, Patiala (Punjab).
6. Kumar, P.; **Thakur, S.** 2009. Taxonomic Update and Biology of Lepidopteran Borers of Cones and Seeds of Chilgoza pine. *International Conference on Entomology*, Punjabi University, Patiala (Punjab).

#### ❖ Participation in Conferences/Seminars (Attended):-

1. Multi-disciplinary International Conference on Indian culture Science and Traditions organized by HFRI Shimla. (13-14 November 2021)



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2. Webinar on Azadi ka Amrut Mahotsav "Science and Technology: India @75" organized by St. Bede's College, Shimla in collaboration with Indian Science Congress Association (ISCA)- Shimla Chapter (September 23, 2021).
3. Faculty Development Program on Online Teaching Tools at St. Bede's College (August 4-5, 2020)
4. International Seminar on "Partition Revisited" by the Department of Political Science and History at St. Bede's College Shimla (2018) sponsored by ICSSR. Member of Organizing Committee.
5. Faculty Development Program on Perspectives of Modern teaching techniques at St. Bede's College (September, 2017)
6. International Seminar on "Biodiversity: Current Scenario and Future Strategies" by the Department of Zoology and Botany at St. Bede's College Shimla (2016). Acted as an Organizing Secretary.
7. National Seminar on "Himalayan Biodiversity and Bioresource Utilisation" organized by Department of Biosciences, Himachal Pradesh University, Shimla (March 23, 2016).
8. National Seminar on Web Based Technologies: Present and the Future organized by Department of Computer Science St. Bede's College, Shimla (May, 2015)
9. Faculty Development Program on "Research Methodology" at St. Bede's College, Shimla (April 23, 2015).
10. NAAC sponsored National Seminar on Institutional Quality Improvement: Role of ICT organized by St. Bede's College (November 2014).
11. International Conference on Women Empowerment: Transforming Lives, Milestones and Challenges organized by Department of Home Science, St. Bede's College (August, 2013)
12. National Seminar on " Biodiversity, Green Economy and Sustainable Mountain Development" organized by Institute of Integrated Himalayan Studies(UGC- Centre Excellence) at Himachal Pradesh University, Shimla (September 22, 2012).

#### ➤ **Workshops attended:-**

- Attended One Day All India IQAC Workshop 2024, on June 29, 2024 organized by IQAC, Uttaranchal University, Dehradun with support from the Department of Higher Education, Uttarakhand.



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- Attended a Webinar on “CMAI-CSAI-IHRO Cyber Warrior Mission: A Pathway Towards Employability” organised by Department of Computer Science, St. Bede's College, Shimla on November 22, 2024.
- Attended Workshop on Generative AI Tools for Enhancing Teaching & Learning on October 23, 2024 organised by IQAC Cluster, Pune.
- Attended 5<sup>th</sup> National Level Workshop on NIRF INDIA RANKINGS 2024 for higher educational institutions held on December 13-14, 2023 organised by Institute for Academic Excellence, Hyderabad.
- Participated in four-day online session on Best Practices and Institutional Distinctiveness organised by All India Association for Christian Higher Education (AIACHE) in association with St. Joseph's College Tiruchirappalli during March 5-7, 2024.
- Participated in two-day National level Workshop for IQAC Coordinators on Strategies to strengthen the Institutional Capacities for Quality, Ranking and Accreditation held on April 4-5, 2024 organised by Institute for Academic Excellence, Hyderabad.
- Thakur, S. 2022. Online workshop on NAAC, from March 28<sup>th</sup> – April 2<sup>nd</sup>, 2022, organised by ***Jharkhand Government MSME Tool Room, Ranchi.***
- **Thakur, S.** 2013. National Workshop on Environmental Geo-Hazards in Himachal Pradesh: Sharing Experiences and Technological Solutions.
- **Thakur, S.** 2011. Conservation and Management of Pollinators for Sustainable Agriculture, through an Ecosystem approach. Global Pollination Project GBPIHED, Kullu (HP).

### **Faculty Development Programme**

- Attended 5 Days Online Faculty Development Program on "Academic and Administrative Audit for NAAC Binary Accreditation" from August 8th to 13th, 2024 organised by Institute for Continuous Learning Outcome based Education in Higher Education





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- Attended 6 day FDP on Enhancing Quality Assurance in Higher Education: Insights into NEP 2020 and NAAC Binary Accreditation Framework from December 16–21, 2024 organised by IQAC, St. Bede's College.
- Attended five-day Faculty Development Programme on Academic Writing and Research Methodology: Multidisciplinary from December 26-30, 2023 organised by Technoledge Eduresearch Pvt. Ltd, New Delhi.
- Faculty Development Program on “Design and Development of Moocs” at St. Bede's College (1-5 January 2022).
- Faculty Development Program “Revamping Emotional and Professional Paradigms for an Inclusive Approach to Holistic Education” organized by Department of Commerce and Management under the aegis of IQAC, St. Bede's College Shimla. (March 3-7, 2022).

### **NEP Orientation and Sensitization Programme**

- Attended 8 Days Online NEP Orientation & Sensitization Programme from June 2, 2025 to June 10, 2025 organised by HPU, MMTTC, Shimla, Himachal Pradesh.
- Attended 8 Days Online NEP Orientation & Sensitization Programme from September 23, 2024 to October 1, 2024 organised by HPU, MMTTC, Shimla, Himachal Pradesh.

### **Refresher Course**

- Attended Two- Week **Refresher Course** in Zoology from April 10- April 24, 2023 from Ramanujan College, University of Delhi.



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## Faculty Induction Programme

- Induction Programme for faculties of university/colleges/ Institutes of higher Education by Teaching Learning Centre, Ramanujan College, University of Delhi (20 December 2021-19 January 2022)

### ➤ E-tutorials

Six e-tutorials made on Youtube Channel for enhancing the knowledge of students.

- <https://youtu.be/wIJfzV-0ya8>: Life history of *Plasmodium vivax*
- <https://youtu.be/AMyAEW2xPA>: Pre-erythrocytic schizogony
- <https://youtu.be/Oich1M0hdEU>: Posterythrocytic schizogony
- <https://youtu.be/qxiJ80t12QU>: Erythrocytic schizogony
- <https://youtu.be/ZSuxQbDFGzs>: Gamogony
- <https://youtu.be/bAmGs5TtRXg>: Sporogony

### ➤ Appreciation Letter

- Received an acknowledgement for reviewing chapters of the manuscript provisionally titled Non-Chordata: From Protists to Pseudocoelomates by Cambridge University Press India, New Delhi.
- Received an acknowledgment and trophy from CMAI National Technical Education Empowerment Committee for excellent contribution in education sector in the month of December 2024.
- Letter of Appreciation from 1 HP Naval Unit Bilaspur for the excellent services for NCC at St. Bede's College.